

PRODUCTION WOODSHOP COMPLIANCE

# Production Woodshop NFPA 660 & OSHA Compliance Checklist

Know Where Your Facility Stands · NFPA 660 · OSHA · System Engineering

*For informational use only. Does not take the place of a formal Dust Hazards Analysis.*

Facility Name \_\_\_\_\_ Date \_\_\_\_\_

Completed By \_\_\_\_\_ Facility Type \_\_\_\_\_

## 0 1

### NFPA COMBUSTIBLE DUST COMPLIANCE

CRITICAL

Requirement	YES	NO	N/A	Notes
<p><b>1. ● A Dust Hazard Analysis (DHA) has been completed under NFPA 660 for all dust-generating operations.</b></p> <p><i>NFPA 660 requires a DHA for any facility generating combustible dust. Wood dust qualifies. This applies retroactively to all existing operations.</i></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p><b>2. ● Dust collectors with dirty-side volume over 8 cubic feet are located outside OR protected by explosion venting, suppression, or containment.</b></p> <p><i>NFPA 660 Section 9.8.2. Most production cabinet shop collectors exceed 8 cubic feet. Indoor placement without protection is non-compliant.</i></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p><b>3. ● Isolation valves or abort gates are installed on duct runs connecting the collector to the building.</b></p> <p><i>NFPA 69 requires isolation to prevent flame propagation back through ductwork to machine operators.</i></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<p><b>4. A spark detection system or other ignition control is in place upstream of the collector.</b></p> <p><i>Wood chips and shavings from planers, moulders, and CNC routers frequently carry heat and small sparks into the collection system.</i></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

## 0 2

### SYSTEM ENGINEERING & AIRFLOW

HIGH

Requirement	YES	NO	N/A	Notes
<p><b>5. System CFM was calculated at every machine pickup point individually, not estimated from horsepower.</b></p> <p><i>A collector sized from horsepower is correct for one machine. A multi-machine system requires individual CFM calculations summed for total demand.</i></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

<p>6. Duct transport velocity is maintained at 3,500 to 4,000 FPM minimum in all horizontal trunk runs.</p> <p><i>Below this range, fine wood dust settles in horizontal ductwork and accumulates as combustible material inside the system.</i></p>	■	■	■	
<p>7. All ductwork joints are sealed and verified airtight. The system has not been extended or modified without rebalancing.</p> <p><i>Duct leaks bleed airflow before it reaches capture hoods. A system can lose 15 to 20 percent airflow through joint leaks over time.</i></p>	■	■	■	
<p>8. Filter media is rated for the finest dust generated. Fine sanding and MDF operations require 1-micron or better filtration.</p> <p><i>OSHA wood dust PEL is 5 mg/m3. Standard bag filters pass the fine fraction responsible for most of the breathing zone exposure.</i></p>	■	■	■	

0  
3 **OPERATIONS & DOCUMENTATION**
MEDIUM

Requirement	YES	NO	N/A	Notes
<p>9. A written housekeeping program defines dust accumulation limits and cleaning procedures for all production areas.</p> <p><i>Indiana OSHA enforces combustible dust housekeeping under the General Duty Clause. Visible surface accumulation is an enforcement trigger.</i></p>	■	■	■	
<p>10. All employees working in dust-generating areas have received documented combustible dust hazard training.</p> <p><i>NFPA 660 and OSHA both require employee awareness training. Training must be documented with dates and employee signatures.</i></p>	■	■	■	
<p>11. Filter differential pressure is monitored and recorded at the start of each shift.</p> <p><i>Rising differential pressure is an early indicator of system performance decline. Waiting for visible suction loss means the system has already been underperforming.</i></p>	■	■	■	
<p>12. System capacity has been re-evaluated any time new machines were added or the production schedule increased.</p> <p><i>A system correctly sized for one shift running flat out will be undersized the moment a second shift is added or new machines are connected.</i></p>	■	■	■	

● YES = Compliant ● NO = Gap — corrective action required ● N/A = Not applicable

Assessor Name & Title \_\_\_\_\_ Signature / Date \_\_\_\_\_ Next Review Date \_\_\_\_\_

*Created by Collectors & Filters, Inc. · collectorsandfilters.com · 317-910-1497*

The logo for Collectors & Filters, Inc. features the company name in a serif font, with a stylized red and black graphic element resembling a filter or ductwork to the left of the text.

## Is Your Production Woodshop NFPA and OSHA Compliant?

We've been designing dust collection systems for manufacturers since 1955.

- ✓ **NFPA 660 DHA Support**
- ✓ **System Sizing & Ductwork Layout**
- ✓ **Explosion Protection Specification**
- ✓ **Site Walkthroughs — Most Questions Answered Same Day**

**317-910-1497 · [collectorsandfilters.com](http://collectorsandfilters.com)**

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